

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1505033

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505033
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-88)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

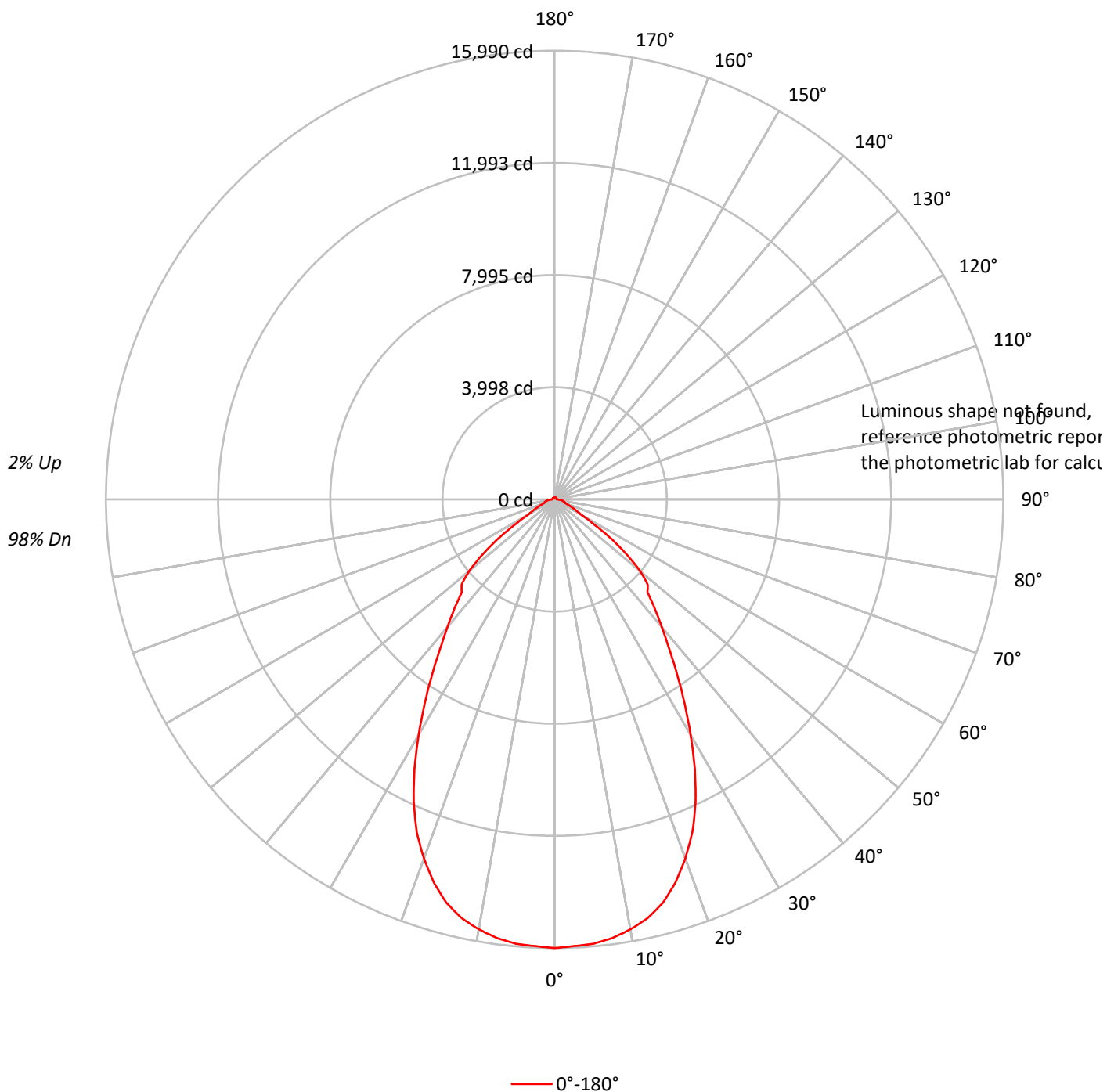
Lumens per Lamp: N/A
Luminaire Lumens: 23520.9 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90	88		
2	104	97	92	88	101	96	91	87	92	88	85	89	85	82	85	83	80	78		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	46	55	49	45	54	49	45	43		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1506.5	6.4
10°-20°	4158.9	17.7
20°-30°	5405.3	23.0
30°-40°	4775.0	20.3
40°-50°	3741.6	15.9
50°-60°	2218.2	9.4
60°-70°	706.1	3.0
70°-80°	376.1	1.6
80°-90°	206.5	0.9
90°-100°	78.4	0.3
100°-110°	76.4	0.3
110°-120°	70.6	0.3
120°-130°	61.6	0.3
130°-140°	51.5	0.2
140°-150°	42.7	0.2
150°-160°	28.5	0.1
160°-170°	13.5	0.1
170°-180°	3.7	0.0
0°-30°	11070.7	47.1
0°-40°	15845.7	67.4
0°-60°	21805.4	92.7
0°-90°	23094.2	98.2
90°-120°	225.3	1.0
90°-150°	381.1	1.6
90°-180°	427.0	1.8
0°-180°	23520.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15990	
5°	15896	###
15°	14892	4159
25°	11885	5405
35°	7597	4775
45°	4679	3742
55°	2499	2218
65°	688	706
75°	354	376
85°	193	178
90°	74	48
95°	71	59
105°	72	76
115°	71	71
125°	69	62
135°	66	52
145°	68	43
155°	61	28
165°	46	14
175°	37	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15990.3
2.5°	15937.1
5°	15895.6
7.5°	15767.7
10°	15559.3
12.5°	15286.9
15°	14892.5
17.5°	14314.5
20°	13617.0
22.5°	12831.4
25°	11884.8
27.5°	10812.7
30°	9678.4
32.5°	8608.0
35°	7596.6
37.5°	6688.9
40°	5933.2
42.5°	5285.5
45°	4679.3
47.5°	4502.5
50°	3979.3
52.5°	3267.6
55°	2498.7
57.5°	1694.0
60°	1107.8
62.5°	884.4
65°	687.6
67.5°	524.8
70°	425.2
72.5°	379.5
75°	353.8
77.5°	330.5
80°	294.8
82.5°	249.1
85°	192.7
87.5°	132.0
90°	73.9
92.5°	70.6
95°	71.4
97.5°	72.2
100°	72.2
102.5°	72.2
105°	72.2
107.5°	72.2
110°	72.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	71.4
115°	71.4
117.5°	70.6
120°	69.8
122.5°	68.9
125°	68.9
127.5°	68.1
130°	67.3
132.5°	66.4
135°	66.4
137.5°	66.4
140°	66.4
142.5°	67.3
145°	68.1
147.5°	68.9
150°	68.9
152.5°	64.8
155°	60.6
157.5°	57.3
160°	54.0
162.5°	49.8
165°	46.5
167.5°	44.0
170°	41.5
172.5°	39.0
175°	37.4
177.5°	36.5
180°	37.4

(END OF REPORT)